

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	44653	pixel WITH (memory OR "rom")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 08:30
L2	8875	1 AND "345"/\$.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 08:30
L3	29373	pixel NEAR5 (memory OR "rom")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 08:31
L4	6688	"345"/\$.CCLS. AND 3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 08:54
L8	4907	2 AND display.AB.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 08:55
L9	173	1 WITH ((recogniz\$5 OR detect\$5 OR sens\$5) ADJ3 (location OR address))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 08:56
L10	12	"345"/\$.CCLS. AND display.AB. AND 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 08:58
L11	0	345/698.CCLS. AND 10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 09:18
L12	4	bus AND 10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 10:21

## EAST Search History

L13	1021	(decoder NEAR5 rom).AB.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 10:22
L14	85175	((decoder ADJ3 (comprise OR include)) rom).AB.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 10:22
L15	86098	((decoder ADJ3 (compris\$5 OR includ\$5)) rom).AB.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 10:23
L16	21	((decoder ADJ3 (compris\$5 OR includ\$5)) ADJ5 rom).AB.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 11:51
L17	2	"20040104932"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:40
L18	16	(group NEAR3 pixel) WITH ("same" ADJ3 (voltage OR potential))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:41
L19	9	"345"/\$.CCLS. AND display.AB. AND 18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:48
L20	6	345/698.CCLS. AND ("bus" WITH shar\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:50
L21	0	"345"/\$.CCLS. AND (("bus" WITH shar\$5) WITH ((reduc\$5 OR decreas\$5) ADJ3 (wire OR line)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:51

## EAST Search History

L22	68	"345"/\$.CCLS. AND (("bus" ) WITH ((reduc\$5 OR decreas\$5) ADJ3 (wire OR line)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:25
L23	688	"345"/\$.CCLS. AND (bus NEARS driver) AND display.AB.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:26
L24	410377	(((((liquid ADJ3 crystal) OR "liquid-crystal") ADJ3 display) OR lcd	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:27
L25	488	(((((liquid ADJ3 crystal) OR "liquid-crystal") ADJ3 display) OR lcd) AND 23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:33
L26	216	(((((liquid ADJ3 crystal) OR "liquid-crystal") ADJ3 display) OR lcd).AB. AND 23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:33
L27	216	"345"/\$.CCLS. AND 26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:34
S1	2	"20050140700".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 09:05
S2	416	345/698.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:33
S3	176	S2 AND ((liquid ADJ3 crystal) OR "liquid-crystal")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 09:55

## EAST Search History

S4	164	pixel AND scal\$5 AND S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 09:26
S5	28	S4 AND (scal\$5 NEAR3 (device OR apparatus OR mean))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 09:48
S6	1	(intermediate ADJ3 voltage) AND (scal\$5 NEAR3 down) AND S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 09:51
S7	3	S2 AND (((prevent\$5 ADJ3 sharp) OR smooth\$5) WITH (scal\$5 OR (chang\$5 OR adjust\$5 OR convert\$5) ADJ5 resolution))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 09:54
S8	77	S2 AND (((prevent\$5 ADJ3 sharp) OR smooth\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 09:55
S9	26	S8 AND ((liquid ADJ3 crystal) OR "liquid-crystal")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 09:59
S10	1275	(smooth WITH edge) AND ((appl\$5 OR suppl\$5 OR feed\$5 OR provid\$5 OR determin\$5) ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:00
S11	0	S2 AND S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:00
S12	35521	(smooth) AND ((appl\$5 OR suppl\$5 OR feed\$5 OR provid\$5 OR determin\$5) ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:00

## EAST Search History

S13	1201	(smooth) WITH ((appl\$5 OR suppl\$5 OR feed\$5 OR provid\$5 OR determin\$5) ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:01
S14	1201	S2 AND S13(smooth) WITH ((appl\$5 OR suppl\$5 OR feed\$5 OR provid\$5 OR determin\$5) ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:03
S15	1201	S12 AND S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:01
S16	0	S2 AND S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:03
S17	39	((appl\$5 OR suppl\$5 OR feed\$5 OR provid\$5 OR determin\$5) ADJ3 (intermediate ADJ3 voltage)) WITH pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:04
S18	1	S2 and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:04
S19	10	"345"/\$.CCLS. AND S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:06
S20	24	display.AB. AND ((chang\$5 OR adjust\$5 OR convert\$5) ADJ3 resolution) AND (scal\$5 WITH (smooth\$ OR sharp))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:23
S21	854	(scal\$5 ADJ3 down) SAME ((appl\$5 OR suppl\$5 OR determin\$5 OR feed\$5) ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:24

## EAST Search History

S22	0	S2 AND S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:24
S23	7	"345"/\$.CCLS. AND S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:29
S24	1	S2 AND (((smooth OR sharp) WITH scal\$5) WITH voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:34
S25	0	S2 AND (immediate ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:36
S26	3	S2 AND (intermediate ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:38
S27	10	display.AB. AND ((intermediate ADJ3 voltage) WITH (sharp\$5 OR smooth\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:40
S28	74	display.AB. AND ((intermediate ADJ3 voltage) WITH (scal\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:41
S29	34	"345"/\$.CCLS. AND S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:48
S30	0	S29 AND ((chang\$5 OR convert\$5 OR adjust\$5) ADJ3 resolution)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:49

## EAST Search History

S31	3734	((chang\$5 OR adjust\$5 OR convert\$5 OR determin\$5) NEAR3 resolution) OR scal\$5) AND ((intermediate OR middle OR midium) ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:54
S32	3	S2 AND S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:51
S33	1	(neighbor\$5 ADJ3 pixel) WITH ((intermediate OR middle OR midium) ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:55
S34	4	(adjacent ADJ3 pixel) WITH ((intermediate OR middle OR midium) ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:55
S35	4	S2 AND (((intermediate OR middle OR medium) ADJ3 voltage) OR ((voltage NEAR3 between) ADJ3 voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:08
S36	2	"4816913".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:31
S37	2	"5837945".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:09
S38	2	"5387945".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:10
S39	2	"5438663".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:10

## EAST Search History

S40	2	"5874937".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:32
S41	2	"5592194".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:33
S42	0	("5444497".PN. OR "5469221".PN. OR "5473342".PN. OR "5517612". PN. OR "5592194".PN.) AND (intermediate ADJ3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:15
S43	1	S2 AND ((appl\$5 OR suppl\$5 OR feed\$5 OR provid\$5) ADJ3 ("same" ADJ3 voltage)) NEAR5 pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:16
S44	1	S2 AND (((appl\$5 OR suppl\$5 OR feed\$5 OR provid\$5) ADJ3 ("same" ADJ3 voltage)) NEAR5 pixel )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:16
S45	335	345/611.CCLS. AND (smooth\$5 OR (anti ADJ3 alias\$3) OR (sharp\$5 WITH edge\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:19
S46	1	S45 AND ((average OR intermediate OR middle) WITH voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:19
S47	29	S45 AND voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:20
S48	52	345/611.CCLS. AND ((chag\$5 OR convert\$5 OR adjust\$5) NEAR5 ((image NEAR3 size) OR resolution))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:21



## EAST Search History

S49	50	S48 AND pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:26
S50	2	S2 AND (pixel WITH ("same" OR equa\$7) ADJ5 voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:28
S51	2	345/698-699.CCLS. AND (((appl\$5 OR suppl\$5 OR feed\$5 OR provid\$5) NEAR5 voltage) WITH (pixel NEAR3 group))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:52
S52	2	"5627559".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:53
S53	17	substrate AND pixel AND (semiconductor OR semi-conductor OR transistor) AND S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:10
S54	78	S2 AND pixel AND (semiconductor OR semi-conductor OR transistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:19
S55	25	S2 AND pixel AND substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:11
S56	126	("liquid-crystal" OR (liquid ADJ3 crystal)) AND display.AB. AND S2 AND pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:05
S57	3	((("liquid-crystal" OR (liquid ADJ3 crystal)) ADJ3 display) OR lcd).AB. AND substrate AND pixel AND (transistor OR semiconductor OR semi-conductor) AND S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:06

## EAST Search History

S58	1626	((("liquid-crystal" OR (liquid ADJ3 crystal)) ADJ3 display) OR lcd).AB. AND substrate AND pixel AND (transistor OR semiconductor OR semi-conductor) AND "345"/\$. CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:06
S60	1169	((("liquid-crystal" OR (liquid ADJ3 crystal)) ADJ3 display) OR lcd).AB. AND substrate AND (pixel WITH (transistor OR semiconductor OR semi-conductor) AND "345"/\$. CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:14
S61	2	"6587120".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:15
S62	2	"4866520".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:59
S63	2	"20050140700".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:09
S64	0	"5874937.PN"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:09
S65	2	"5874937".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:20
S66	24	(group NEAR3 pixel) WITH (rom OR ((read-only OR (read ADJ2 only)) ADJ3 (memory OR structure)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:28
S67	0	S2 AND S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:22

## EAST Search History

S68	6	"345"/\$.CCLS. AND S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:22
S69	29	(group NEAR7 pixel) WITH (rom OR (((read-only OR (read ADJ2 only)) ADJ3 (memory OR structure)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:29
S70	7	"345"/\$.CCLS. AND S69	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:28
S71	330	((address\$5 OR access\$5) NEAR5 (group NEAR7 pixel)) AND "345"/\$.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:30
S72	60	S71 AND (((((read ADJ2 only) OR "read-only") ADJ3 memory) OR rom)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:31
S73	4	S72 AND (((((liquid ADJ3 crystal) OR "liquid-crystal") ADJ3 display) OR LCD).AB.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 08:28